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Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1. (Currently Amended) A method for performing electrophoresis comprising:
providing a plurality of sample fragments collectively having a first range of sizes, the each of the sample fragments being tagged with a dye selected from a first group number of dyes, a fluorescence spectrum of the dye of each sample fragment being indicative of a property of that sample fragment;
providing a plurality of reference fragments collectively having a second range of sizes which does not overlap with the first range of sizes, the each reference fragment fragments of substantially similar sizes within the second range being tagged with a common dye selected from the from among said first group number of dyes, reference fragments of substantially similar size being tagged with a common dye;
combining the sample fragments and the reference fragments into a common volume;
causing the sample fragments and the reference fragments within the common volume to separate along a common separation lane such that the sample fragments and the reference fragments are separated from one another in at least one of time and space;
optically detecting a fluorescence spectrum comprising a respective fluorescence intensity at each of a plurality of wavelengths from each of the separated sample and reference fragments;
determining first color calibration information based upon the fluorescence spectra of the reference fragments; and